microlab

microlab

Art For The Ear

# M-113
## User Manual

Microlab Technology Co, .Ltd
Made in China
No:80-M-113-97-0001-02

All symbols and logo belong to the respective brand holder or registered holder. All specifications and information are subject to changes without further notice. Slight variations and differences might appear between the printed photos and actual product due to product enhancement.

High Performance Acoustic

Prior to first use, please read the manual carefully

## Important Safety Instructions

**Caution:**
To reduce the risk of electric shock, do not dismantle the product and do not expose the apparatus to rain or moisture. No user-serviceable parts inside. Refer servicing to qualified personnel only.

**Explanation of Graphical Symbols:**

The lightning flash within an equilateral triangle is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute an electric shock to a person or persons.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNINGS:

1. Read Instructions - All the safety and operating instructions must be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be kept product for future reference.
3. Heed warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow instructions - All operating and use instructions should be followed.
5. Installation - Install in accordance with the manufacturer's instructions.
6. Power sources - This product should be operated only from the type of power source indicated by the marking adjacent to the power cord entry. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
7. Grounding or polarisation - the product is not required to be grounded. Ensure the plug is fully inserted into the wall outlet or extension cord receptacle to prevent blade or pin exposure. Some versions of the product are equipped with a power cord fitted with a polarized alternating line plug (a plug having one blade wide than the other). This plug will fit onto the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarised plug. When using an extension power-supply cord or a power-supply cord other than that supplied with the appliance ,it should be fitted with the appropriate moulded-on plugs and carry safety approval appropriate to the country of use.
8. Power cord protection - Power-supply cords should be routed so that they are not likely to be walked on, kinked or pinched by items placed on or against them, paying particular attention to cords from plugs, receptacles and the point where they exit from the appliance.
9. Overloading - Do not overload wall outlets, extension cords or multiple sockets, as this can result in a risk of fire or electric shock.
10. Ventilation - The product must be properly ventilated. Do not place the product on a bed, sofa, or other similar surface. Do not cover the product with any items such as tablecloths, newspapers, etc.
11. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products) including amplifiers that produce heat.No naked flame sources,such as lighted candles, should be placed on the apparatus.
12. Water and moisture - To reduce the risk of fire or electric shock, do not expose the product to train, dripping, splashing or excessive moisture such as in a sauna or bathroom. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
13. Object and Liquid Entry - Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the product. Do not place any object containing liquid on top of the product.
14. Cleaning - Unplug the product from the wall outlet before cleaning. The cabinet of the subwoofer may be cleaned by dusting with a dry cloth. If you wish to use an aerosol cleaning spray, do not spray directly on the cabinet; spray onto the cloth. Be careful not to damage the drive units.
15. Attachments - Do not use attachments not recommended by the product manufactures, as they may cause hazards.
16. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
17. Moving the product - A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
18. Unuse periods - The power cord of the appliance should be unplugged from the outlet during lightning storms or when the apparatus is left unused for a long period of time.
19. Servicing - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Please remove the power plug form the main power source or wall power source when not in use. When plugged in to a power source, the system is in standby mode, so the power is not entirely cut off.
21. Replacement parts - When replacement parts are required, ensure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
22. Mains fuses - For continued protection against fire hazard, use fuses only of the correct type and rating. The correct fuse specification for each voltage range is marked on the product.
23. Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speaker may be damaged when a peak level section is suddenly played.
24. The only means of completely disconnecting the product from the power supply is by removing the power cord from the wall outlet or the product. The wall outlet or the power cord entry to the product must remain freely accessible at all times while the product is in use.
25. Try to install the product near a wall socket or exetension cord and shall be easily accessible.
26. The highest environmental temperature suitable for this product is 40°C.



## Introduction

Quality speakers designed for multimedia and computer application, Subwoofer bass technology for depth and resolution, Surround system that fills your room with clear and perfect acoustic

### Features

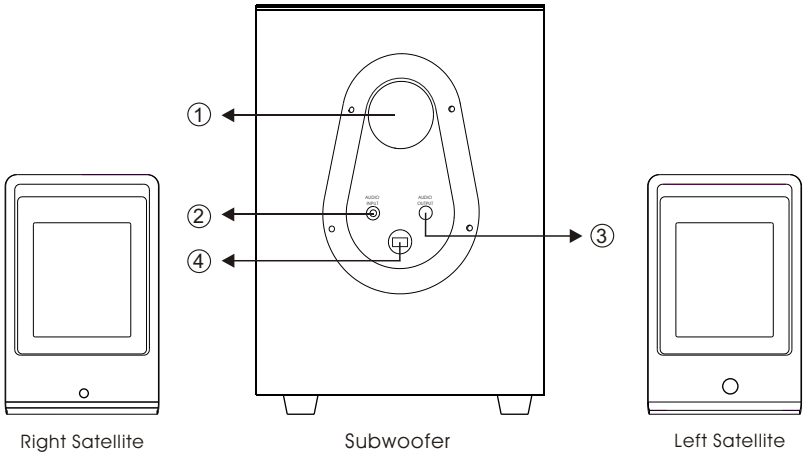
- Quality 2.1 subwoofer system with powerful bass effect
- Ideal for movies, TV, and Mp4 playbacks
- Microlab M series, your ultimate introduction to serious music entertainment
- Comes with wired remote control for easy volume adjustment
- Crystal clear satellites for clear highs

### Package contents

- Subwoofer
- Satellite x 2pcs
- Wired control
- User manual

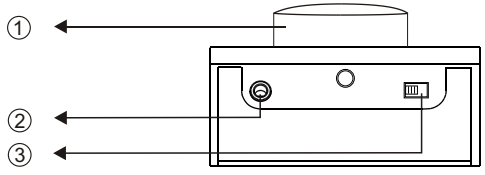
## Illustrations

**Rear pane**




1. Bass reflex tunnel 2. Audio input cable 3. Audio output 4. Power cable

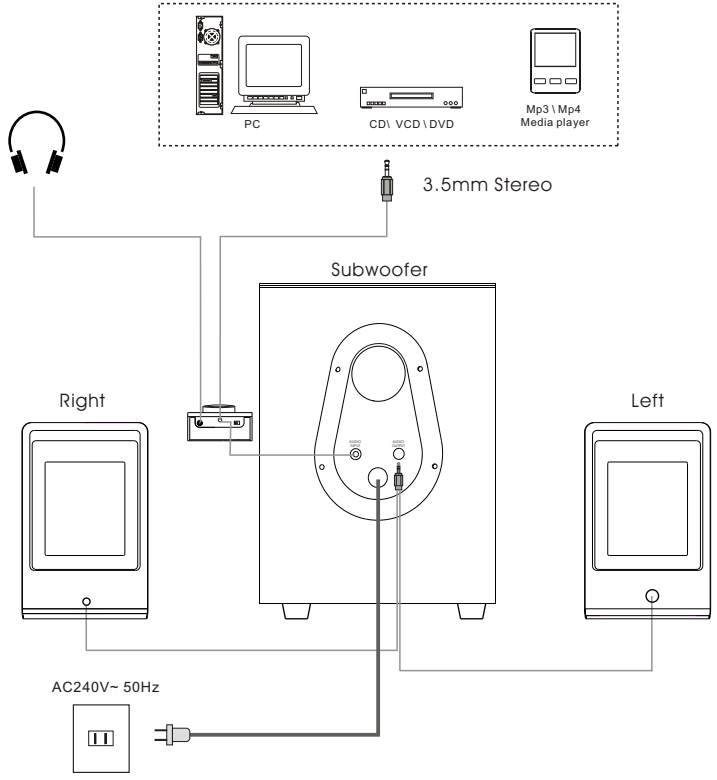
**Wired control**:




1. Master volume knob: Turn clockwise to increase playback volume and counterclockwise to decrease volume.
2. Earphones output jack: 3.5mm stereo earphones or headphones connection.
3. Power switch: blue colour illumination when power is on.



## Product connection and operation




**1. Multimedia speaker connections**

a. Connect both satellite speakers to the "Audio Output" jack on the back of the subwoofer And arrange the R speaker according to right position the L to left position.
b. Connect 3.5mm green stereo plug on the cable control to the "Audio Output" jack on the sound card (Normally marked "LINE OUT" or refer to the manual of the sound card).
c. Connect power plug to the outlet.
d. Adjust the wired control volume knob to minimum, turn on the power switch, and adjust the volume to your preferred level.

**2. Operation**

a. Turn on the POWER switch on the wired control to turn on the multimedia speaker system.
b. Ensure that your audio source is correctly configured and start the playback file.
c. Adjust the master volume on the wired remote control to your preferred level.

## Technical Information

### Specifications

**Amplifier**

| | |
|---|---|
| Output power: | 8.8 Watt RMS |
| Power distribution: | 4 Watt x 2 |
| Harmonic distortion: | < 10% 1W 1kHz |
| Signal/Noise ratio: | > 65dB |
| Separation: | > 50dB |
| Nominal impedance: | 4 ohm |

**Speakers**

| | |
|---|---|
| Tweeter driver type: | 2.75" |
| Tweeter rated power: | 5 Watt 4 ohm |
| Bass driver type: | 4" |
| Bass rated power: | 30 Watt 4 ohm |

**Interfaces:**

| | |
|---|---|
| Output: | 3.5mm stereo |
| Input: | 3.5mm stereo |

**Power**

| | |
|---|---|
| Power supply: | AC 240V, 50Hz, 1.5A |

**Dimensions**

| | |
|---|---|
| Subwoofer dimension: | 150 x 208 x 215mm |
| Satellites dimension: | 83 x 132 x 62mm |
| Product net weight: | 2.5kg |
| Product giftbox dimension: | 256 x 195 x 326mm |
| Giftbox gross weight: | 2.85kg |
| Export carton dimension: | 525 x 401 x 672mm |
| Export carton gross weight: | 24kg |



## Frequently Asked Questions (FAQ)

| | Solutions |
|---|---|
| No Sound | • Check if the audio source is working well<br>• Check if the audio and speaker cables well connected<br>• Check if the volume at right level |
| One or more satellite no sound | • Check if the satellite cable well connected, and ensure source connection is correctly inserted |
| Static sound heard when volume knob is turned | • Turn off the playback source first, then turn the speaker volume knob several times. Playback again and monitor. The static noise is due to dust, so simply turning the volume will remove it easily. |
| What are the products supported? | • Any playback devices such as PC, notebook, CD/DVD player, Media Players with 3.5mm stereo plug. |
| Sound is distorted | • Check if the source file is not corrupted, play a different song and test. |
| Where to place this speaker | • It is magnetically shielded so can be placed near LCD TV Monitor without any distortion |
| If the problem still exists, please contact the distributor or seek professional advice. | |